Application No. 10/658,723   Attorney Docket No. 133282UL (14768US01)

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the

application:

LISTING OF CLAIMS

1. (Currently Amended) A method for generating images using an ultrasound apparatusdevice, the method comprising:

storing at least one framea plurality of frames:

generating at least one image output from said at-least-one framesaid plurality of frames, wherein said at least one image output comprises a compounded image and a non-compounded image; and

displaying at least said generated image outputsaid at least one image output.

2. (Cancelled).

3. (Currently Amended) The method of Claim 2claim 1, wherein at least two frames of said plurality of frames are acquired at different geometries.

4. (Currently Amended) The method of Claim 2claim 1, wherein a less compounded image output is generated from less than all of said plurality of frames.

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5. (Cancelled).

6. (Cancelled).

7. (Cancelled).

8. (Cancelled).

9. (Cancelled).

10. (Currently Amended) The method of ~~Claim 1~~claim 1, wherein displaying said at least one ~~generated~~ image output comprises displaying said compounded and non-compounded images simultaneously.

11. (Currently Amended) The method of ~~Claim 10~~claim 1, wherein at least one of said compounded and non-compounded images ~~are~~is generated in real time.

12. (Currently Amended) The method of ~~Claim 1~~claim 1, wherein displaying said at least one ~~generated~~ image output comprises displaying said compounded and non-compounded images sequentially.

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13. (Cancelled).

14. (Currently Amended) A method for generating images using an ultrasound device, the method comprising:

storing acquiring a plurality of frames;

generating at least one of a compounded image and a non-compounded image output from said plurality of frames; and

displaying at least one of said generated compounded, non-compounded and both said compounded and non-compounded images.

15. (Currently Amended) A system for generating an image using an ultrasound device, the system comprising:;

a memory for storing at least one frame adapted to store a plurality of frames;

at least one processing device adapted to process at least one of generate at least one image output from said plurality of frames, wherein said at least one image output comprises a compounded image and a non-compounded image; and

a display device adapted to display said at least one of said processed compounded and non-compounded image image output.

16. (Currently Amended) The system of Claim 15, wherein said at least one processing device comprises at least a compound processing device.

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17. (Currently Amended) The system of Claim 15, where<u>in</u> said at least one processing device comprises at least a non-compound processing device.

18. (Currently Amended) The system of Claim 15<u>, further</u> comprising a switch coupled to said memory and said at least one processing device.

19. (Currently Amended) The system of Claim 15 <u>further</u> comprising a storage device coupled to said memory<u>, wherein said storage device is adapted to receive</u> and ~~receiving~~ at least one <u>of a recall</u> <u>command</u> and <u>a</u> store command.

20. (Currently Amended) The system of claim 15, wherein said memory may accept ~~user~~-input <u>from a user</u>.

21. (New) The method of claim 1, wherein said compounded image is a spatially compounded image.

22. (New) The method of claim 1, further including storing at least one of said compounded and non-compounded images.

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23. (New) The method of claim 1, further including recalling at least one of said compounded and non-compounded images.

24. (New) The method of claim 14, wherein at least two frames of said plurality of frames are acquired at different geometries.

25. (New) The method of claim 14, wherein a less compounded image output is generated from less than all of said plurality of frames.

26. (New) The method of claim 14, wherein said compound and non-compounded images are displayed simultaneously.

27. (New) The method of claim 14, wherein at least one of said compounded and non-compounded images is generated in real time.

28. (New) The method of claim 14, wherein said compounded and non-compounded images are displayed sequentially.

29. (New) The method of claim 14, wherein said compounded image is a spatially compounded image.

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30. (New) The method of claim 14, further including storing at least one of said compounded and non-compounded images.

31. (New) The method of claim 14, further including recalling at least one of said compounded and non-compounded images.

32. (New) A computer-readable storage medium including a set of instructions for execution on a computer, the set of instructions including:

an acquisition routine configured to acquire a plurality of frames;

a processing routine configured to generate a compounded image and a non-compounded image from said plurality of frames; and

a display routine adapted to display said compounded and non-compounded images.

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